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FIG. 1



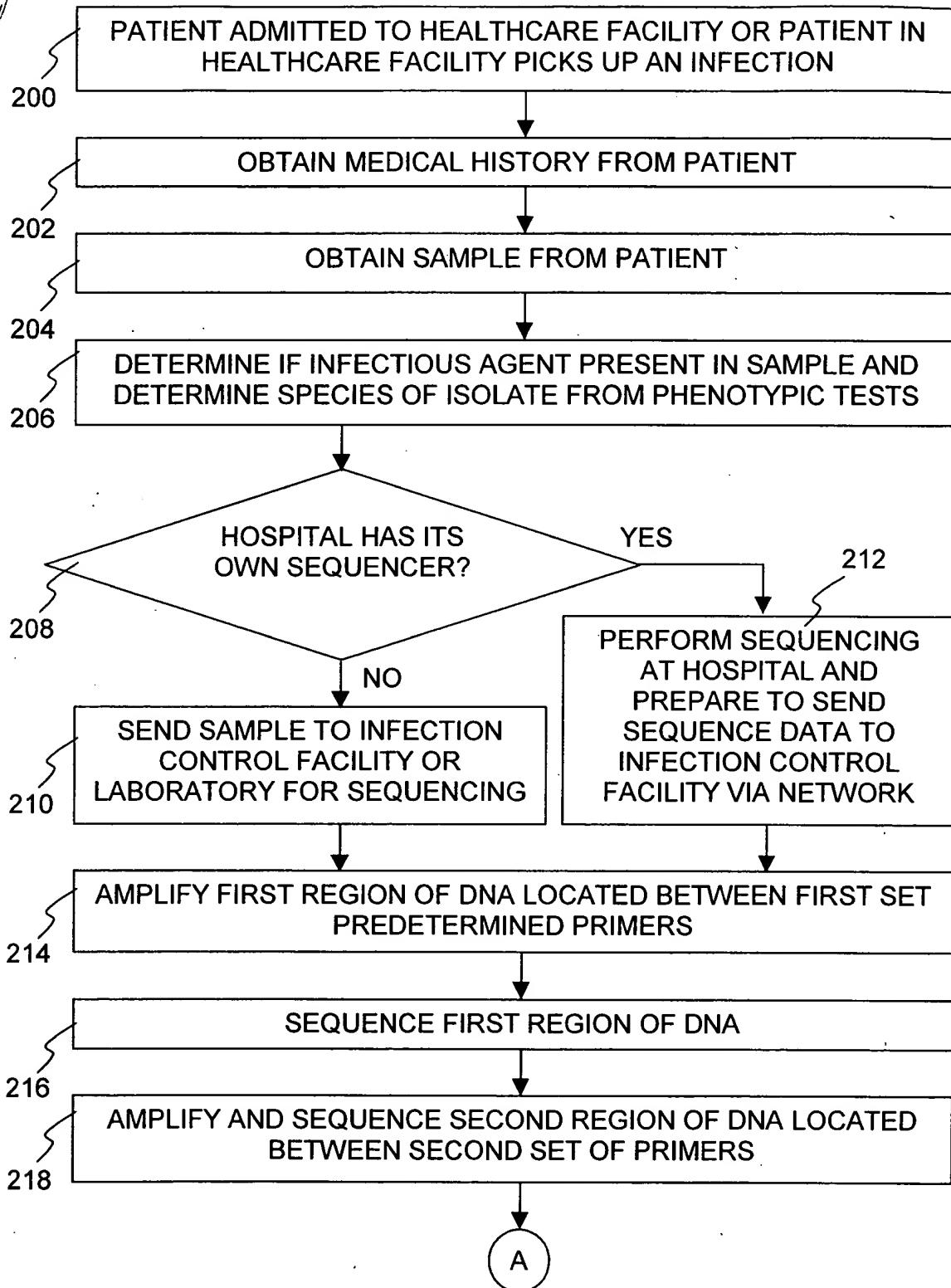


FIG. 2A

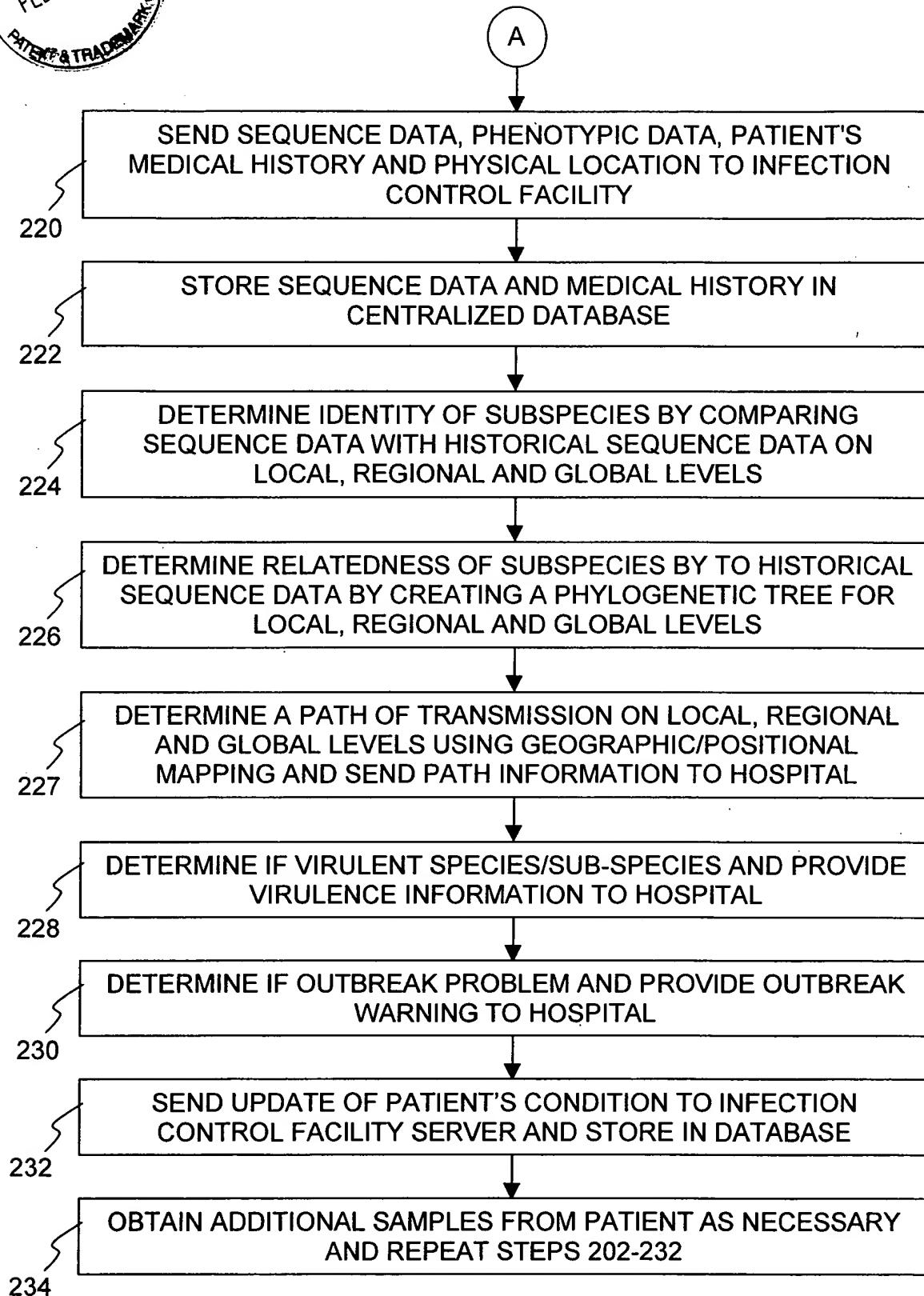


FIG. 2B

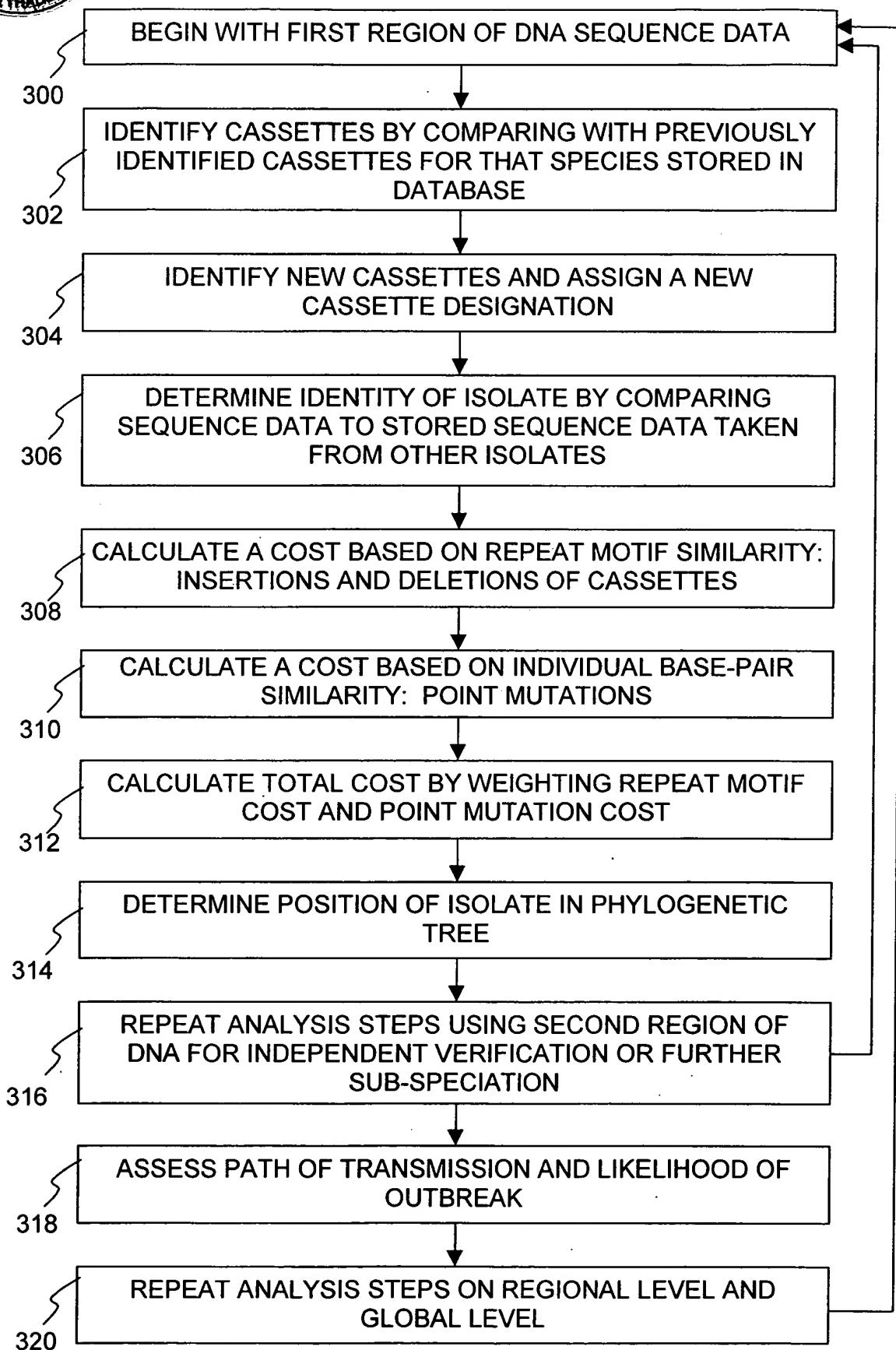


FIG. 3



T	400	402	GAGGAAGACAACAAAAAACCTGGT
A			AAAGAAGACAACAAAAACCTGGC
B			AAAGAAGACAACAAAAACCTGGT
E			AAAGAAGACAACAACAAACCTGGT
G			AAAGAAGACAACAACAAGCCTGGT
D			AAAGAAGACAACAACAAACCTGGC
J			AAAGAAGACGGCAACAAACCTGGC
K			AAAGAAGACGGCAACAAACCTGGT
M			AAAGAAGACGGCAACAAGCCTGGT

FIG. 4A

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GAGGAAGACAACAAAAAACCTGGTAAAGAAGACGGCAACAAACCTGGCAAAGAA
GACGGCAACAAGCCTGGTAAAGAAGACAACAACAAACCTGGTAAAGAAGACGGC
AACAAAGCCTGGTAAAGAAGACAACAACAAACCTGGCAAAGAAGACGGCAACAAG
CCTGGTAAAGAAGACAACAAGCCTGGTAAAGAAGACGGCAACAAGCCTGGT
AAAGAAGACGGCAACAAACCTGGT

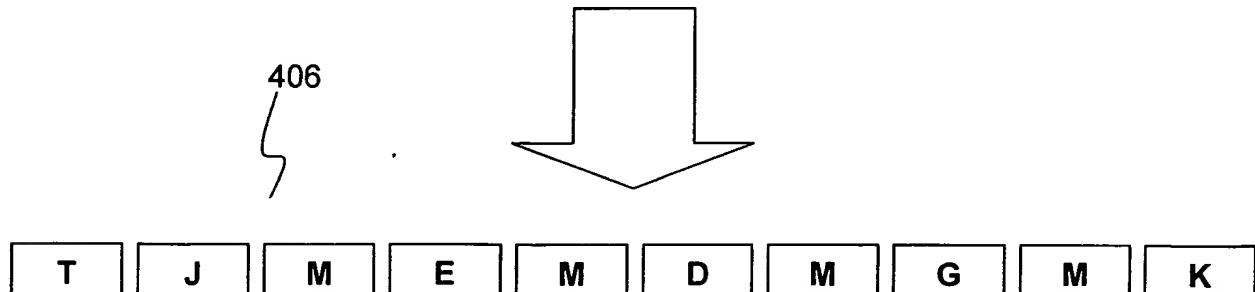


FIG. 4B

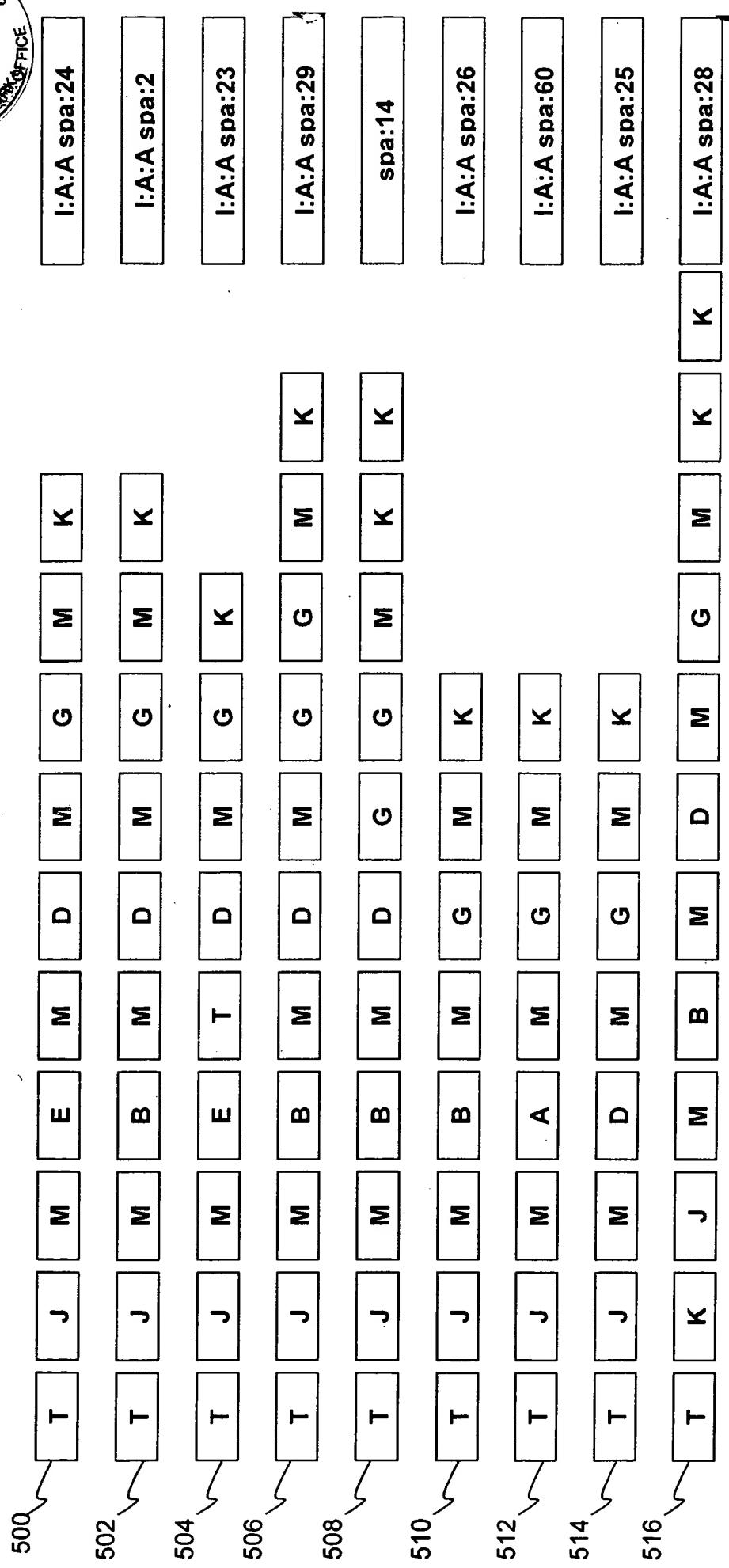


FIG. 5

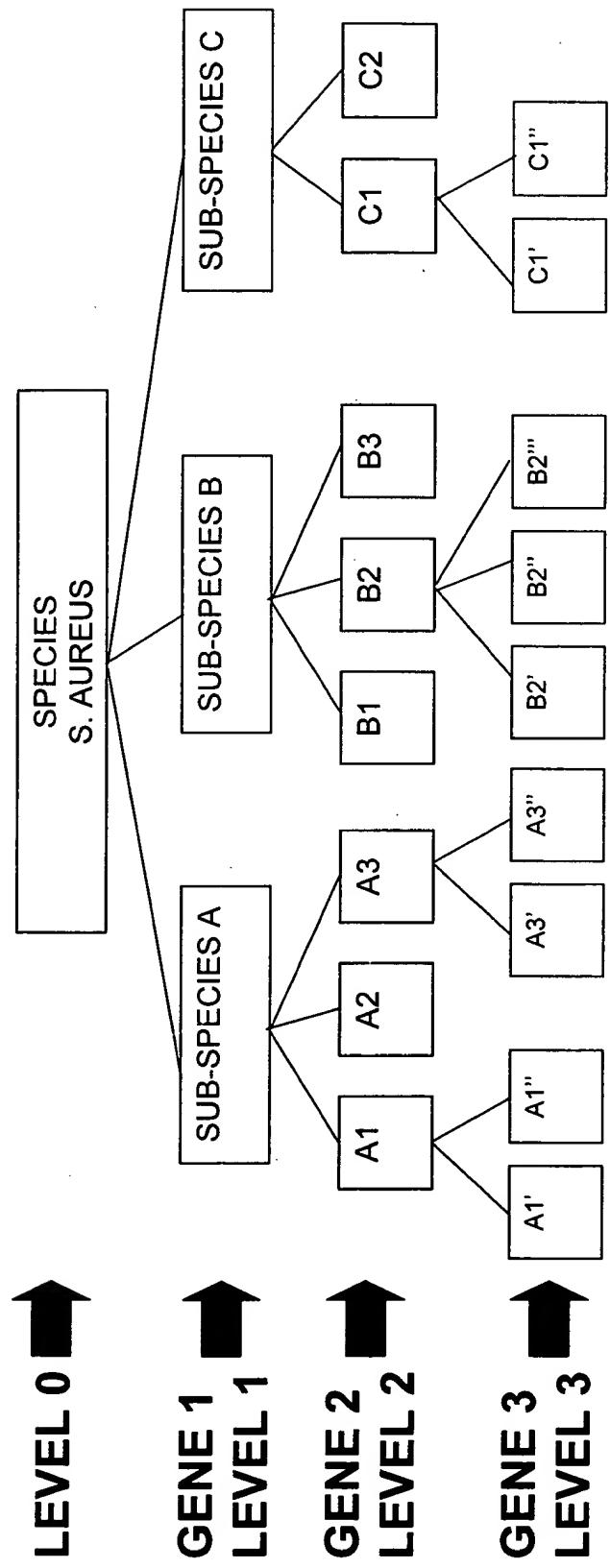


FIG. 6



SPECIES	<i>S. aureus</i>	<i>S. aureus</i>
SUBSPECIES	A1'	B7"
SEQ REGION 1	ATTCTAGAT...	ATTAATAGAT...
SEQ REGION 2	CGTACTATCC...	CGTACTATCC...
SEQ REGION 3	ATTCGTTATA...	ATTCGTTATA...
REGION 1 PRIMERS		
REGION 2 PRIMERS		
REGION 3 PRIMERS		
REPEAT MOTIF RGN 1	TKJMP..	TKJMP..
REPEAT MOTIF RGN 2	ABABA...	ABBBA...
REPEAT MOTIF RGN 3	TYYT..	TYYT..
DATE	June 5, 2000	Dec 1, 1999
PATIENT MEDICAL HISTORY	Hospitalized in New York Hospital, June 2000 for 3 weeks, heart surgery...	Hospitalized in Florida in 1996, treated for minor burns
PATIENT MEDICAL UPDATE INFO	Patient hospitalized 3 weeks for infection and released....	Patient died due to infection after two weeks...
LOCATION	Mt. Sinai Hospital, Toronto, Burn Ward	New York City Hospital, ICU

FIG. 7A

S. AUREUS			
SEQ REGION	REPEAT 1	REPEAT 2	REPEAT 3
PROTEIN A X _R	AATTCGCCTAGG.. ..	AATTCCCCTAGG..	TAGGCCGT...
REGION 2	TTAAAGGCCTGA..	GGTTCCAATAAT..	GGTTAAC..
REGION 3

FIG. 7B